



Montgomery County Homeland Security Department (MCHSD)

Briefing:
City Council
Gaithersburg, MD
December 12, 2005

Gordon Aoyagi, Director

Montgomery County Homeland
Security Department (MCHSD)



Council Bill 33-04

- Creates Department of Homeland Security within the Executive Branch
- Section 2-640 of Chapter 1A-201 – Homeland Security
- Effective January 1, 2005
- General responsibilities: Planning, managing, coordinating and integrating the County's emergency management and homeland security programs.



MCHSD Functions (33-04)

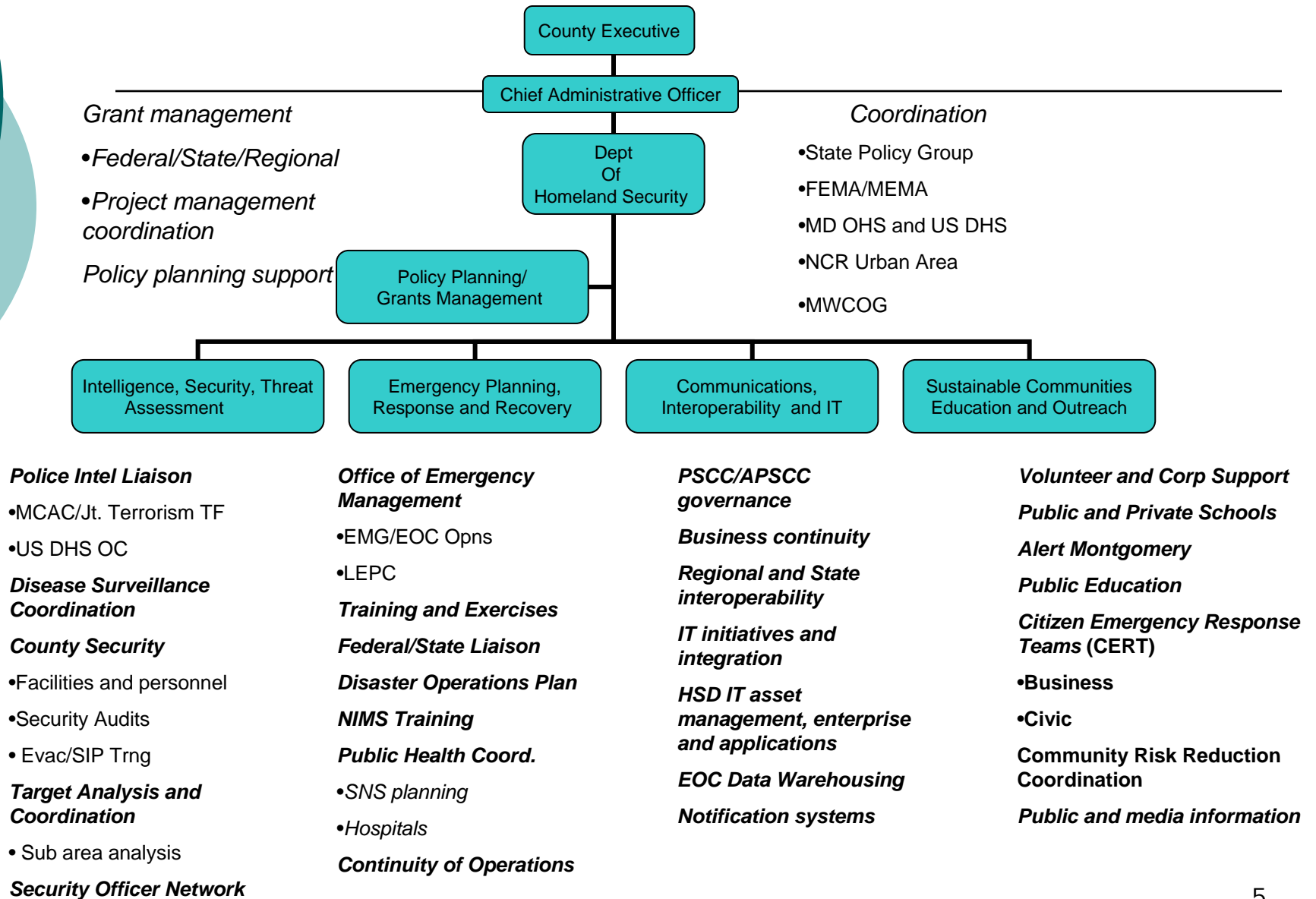
- a) Undertake emergency management and disaster preparedness planning, and coordinate response and recovery operations to emergencies/disasters.
- b) Coordinate homeland security intelligence programs in conjunction with Police, Sheriff and other state, local and federal law enforcement agencies and include disease surveillance systems of public health.
- c) Manage the interdepartmental governance of the Public Safety Communication Centers (PSCC) and the Alternate PSCC and coordinate the interoperability of the PSCC/APSCC with state, regional and federal agencies.
- d) Develop, implement and integrate policies and procedures on homeland security, emergency management and emergency preparedness with appropriate County departments and agencies.
- e) Coordinate community outreach and volunteer support of emergency preparedness, response and homeland security.
- f) Coordinate homeland security plans and emergency preparedness programs with appropriate County, local government, regional, state and federal agencies and utilities and telecommunications companies doing business in the County.
- g) Develop, coordinate and manage state and federal grants related to homeland security and emergency preparedness.
- h) Coordinate the security of County facilities.
- i) Coordinate and integrate the County's public health emergency preparedness programs and response.
- j) Undertake other related functions designated by the County Executive.

MC Homeland Security Department MISSION STATEMENT

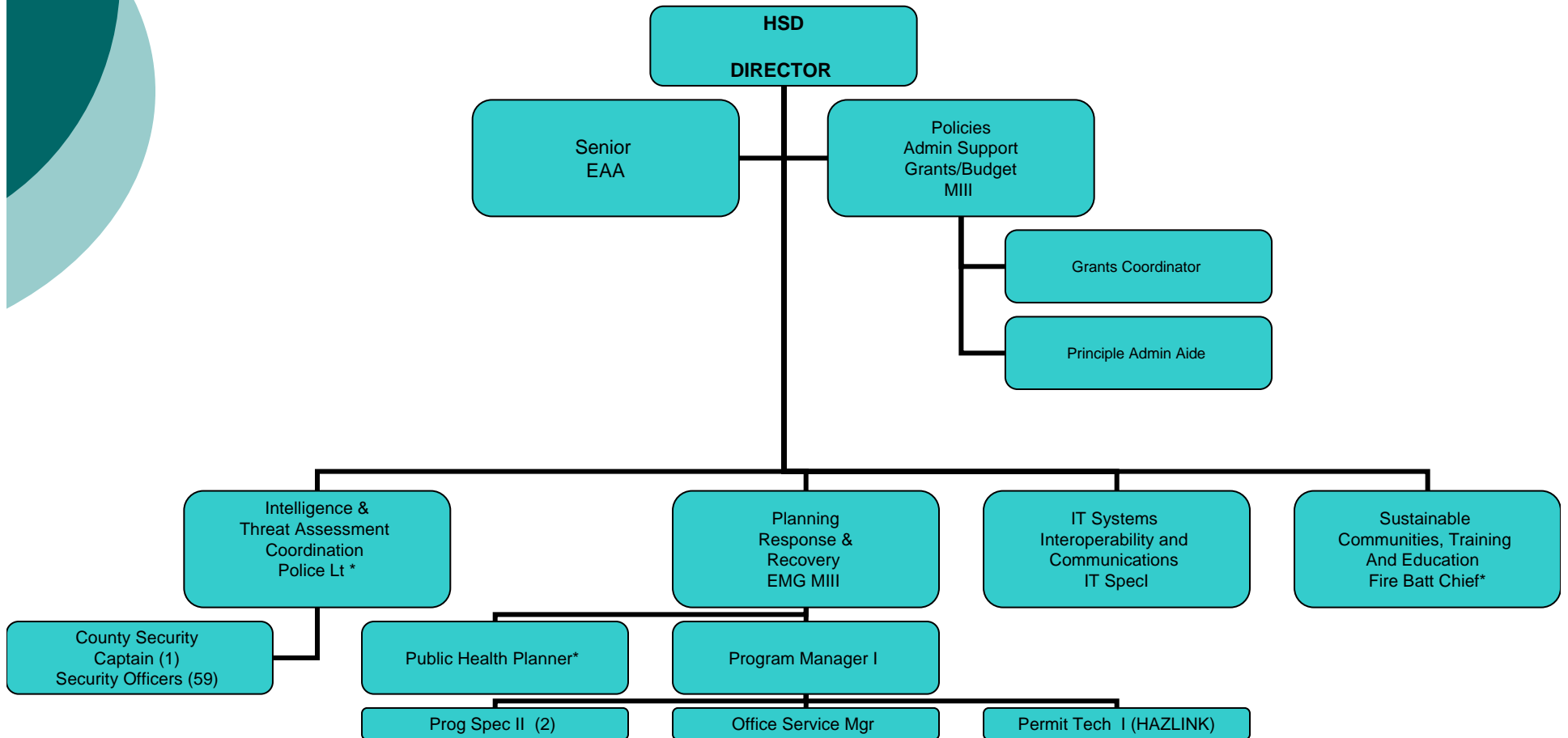


“To plan, prevent, prepare and protect against all major hazards that may threaten, harm, disrupt or destroy our communities, commerce and institutions and to effectively plan, manage and coordinate the County’s unified response, mitigation, and recovery from such disasters or emergencies should they occur.”

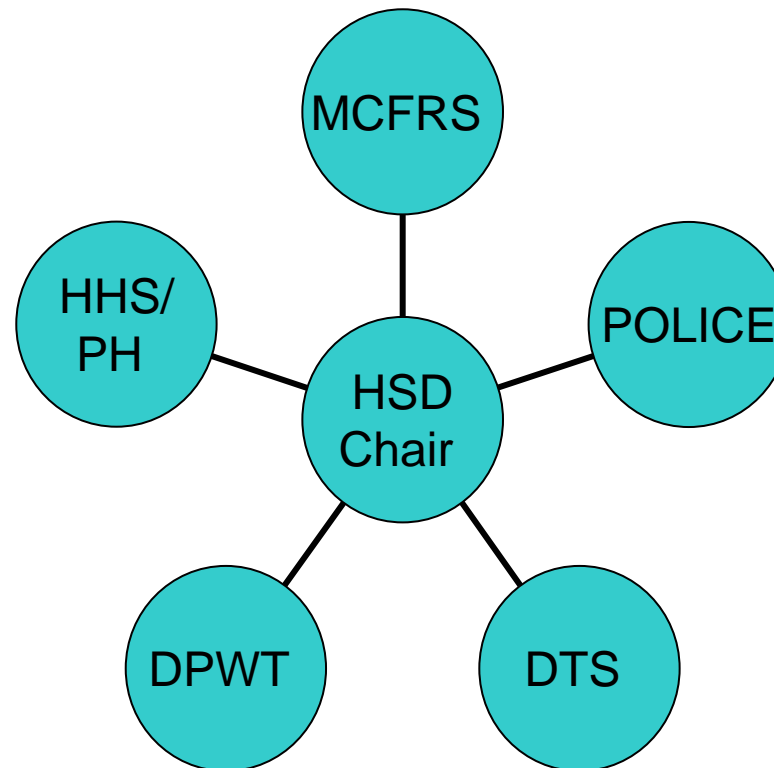
Functions - Department of Homeland Security



HOMELAND SECURITY DEPARTMENT ORGANIZATION CHART



Homeland Security Directorate Department Directors





Homeland Security Directorate

Three Primary Functions:

- Make prudent and strategic investments that support core missions and enhance emergency management's "all hazard" response, readiness and recovery.
- Provide policy direction for the governance of the PSCC/APSCC and communications integration and interoperability
- Recommend action plan to CE/CAO for elevations of US DHS security alerts or for actionable intelligence reports

Homeland Security Linkages

Infrastructure
Protection

Utilities and
services

FBI
US Attney
MSP

EMG Requirements and Standards

Community
Right to Know

LEPC

Federal, State
and MC

HSPD#5,8,etc

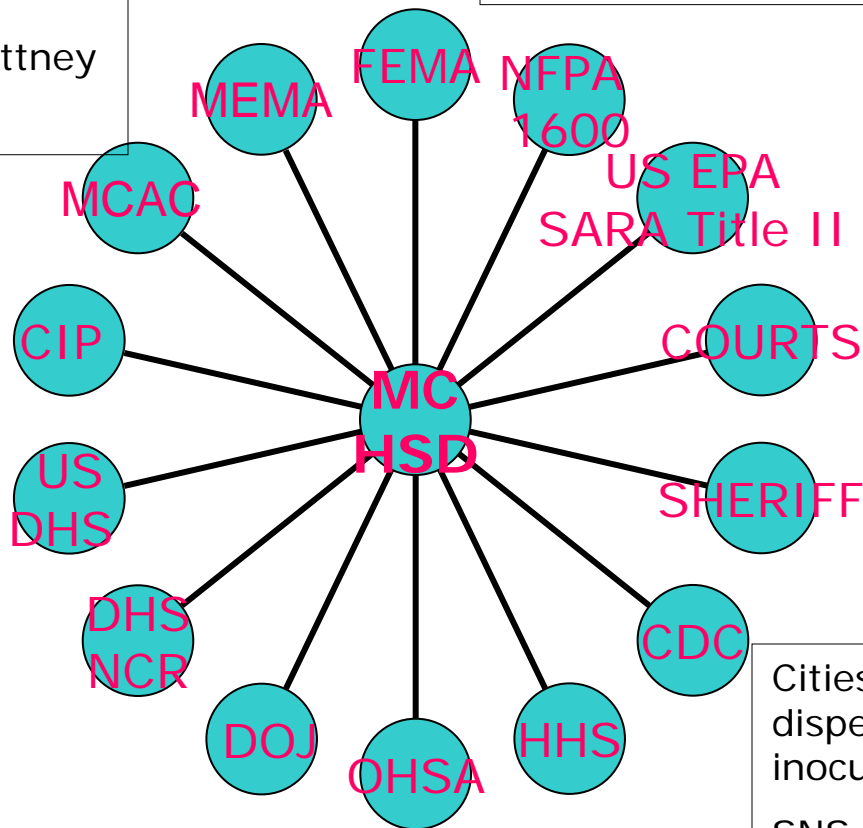
National
Response Plan

NIMS

NIPP

Continuity of
Business Plan

NCR
MwCOG
SPG
CAO Comm.
EMER PLG C
ESF



Isolation/quarantine
Hearings/security
Corrections

Cities Ready-
dispensing and
inoculations

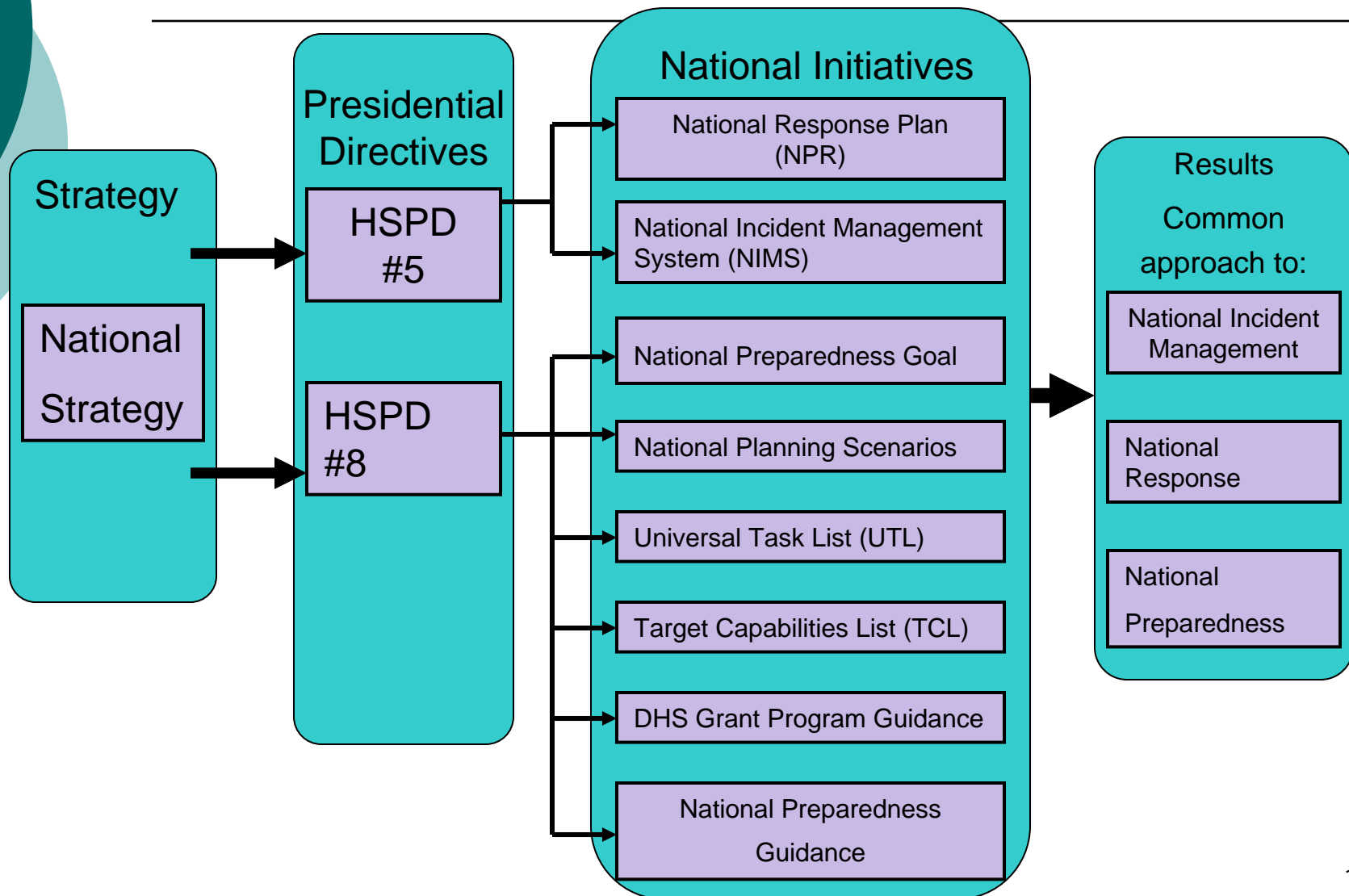
SNS

Advanced Practice
Center

Equip Standards

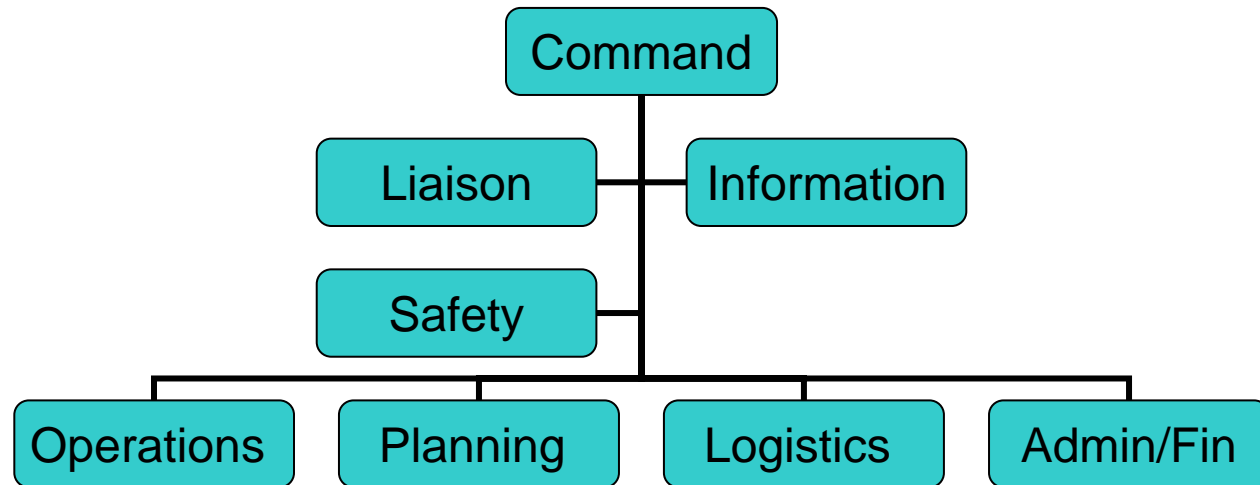
Hospital
Surge
Capacity

Working with DHS

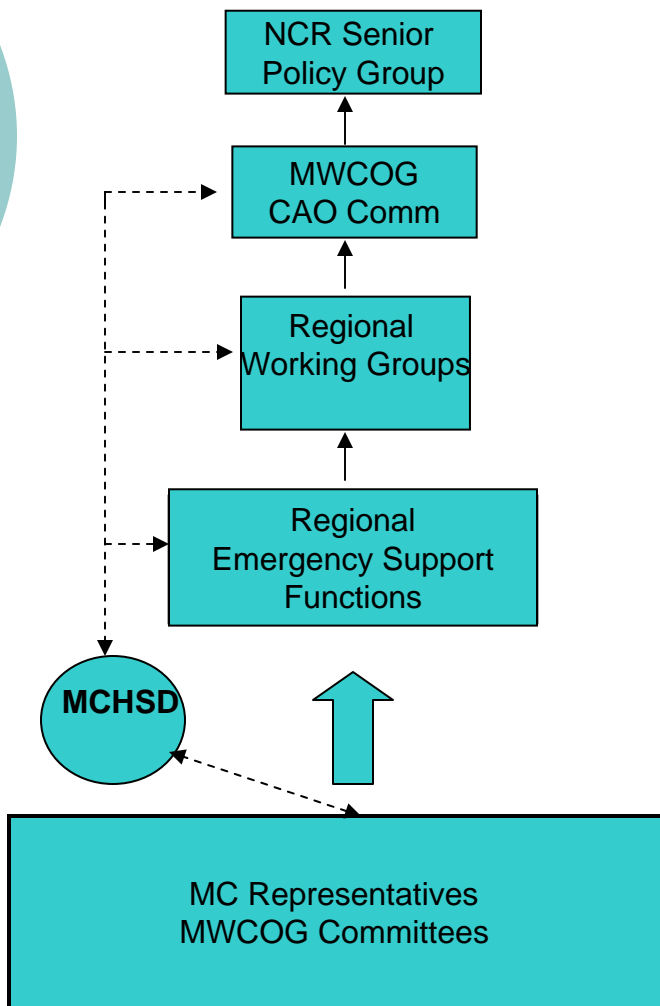


National Incident Management System

Foundations of Command



National Capital Region Coordination



REGIONAL PROGRAM WORKING GROUPS

Human Services	Critical Infrastructure
Intel Info Sharing	Emergency Services
Health Community	Interoperability
Training and Exercise	

REGIONAL EMER SUPPORT FUNCTIOS

1. Transportation
2. Communications
3. Public Works and Eng
4. Firefighting
5. Emer Management
6. Mass Care, Housing and Human Serv
7. Resource Support
8. Public Health and Med Service
9. Urban Search and Rescue
10. Oil and Haz Materials
11. Agriculture and Nat. Resources
12. Energy
13. Public Safety and Security
14. Long Term Comm. Recovery & Mit
15. External Affairs
16. Volunteer and Donation Mgmt

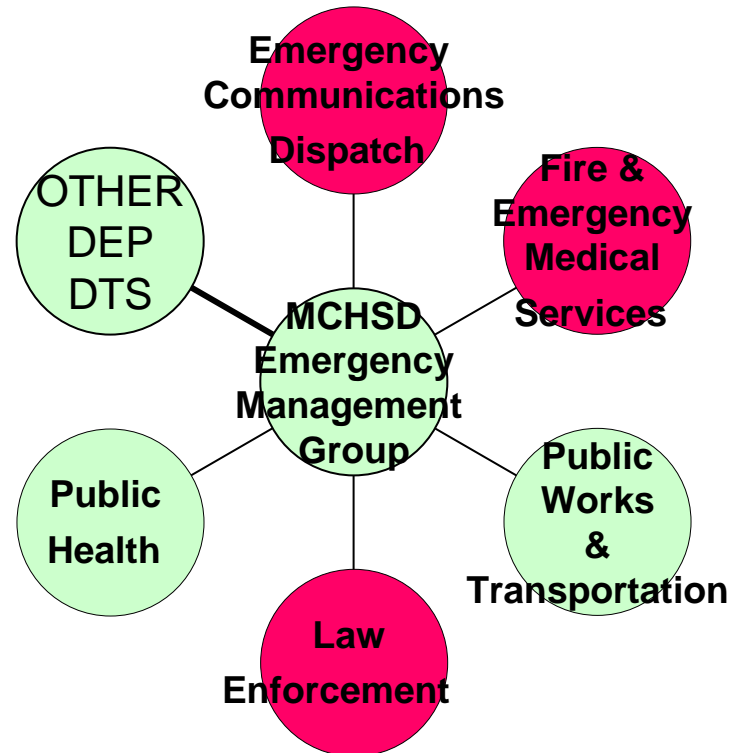
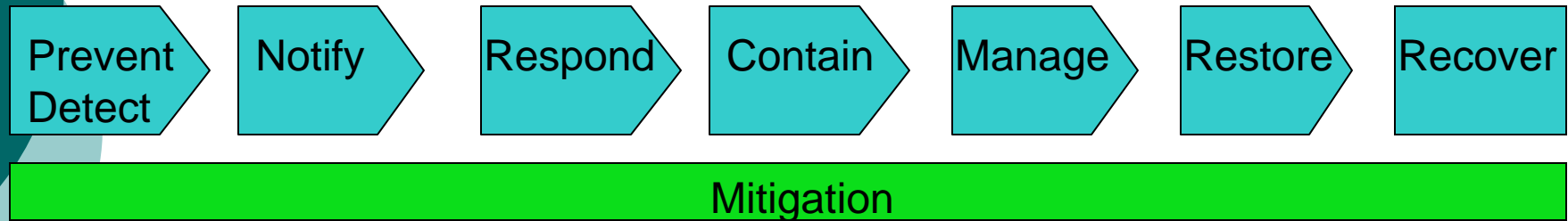


ALL EMERGENCIES ARE LOCAL AND LOCALLY MANAGED

○ **Preparing for the Unthinkable – An “All Hazards” Approach**

- Small or large
- Individual to mass population
- Disruption or damage to infrastructure
- Natural or Man-Made Disasters
 - Weather, HAZMAT, Arson, Explosives
- Weapons of Mass Destruction (WMD)
 - Biological, Chemical, Explosive, Radiological, Nuclear
- Announced or unannounced
- **Ready - 24/7/365**

ALL HAZARD EVENT SEQUENCE



Montgomery County Fire Rescue Service Response Capabilities



CAPABILITIES

- Combination service
- 1000 career FF
- 19 volunteer depts.
 - 500 to 1000 volunteers
- 33 fire stations
- 1500 – EMT-B
- 400 – Paramedics
- 31 Engine Companies
- 13 Truck Companies
- 40 EMS units
- 9 Rescue Squads
- 4 Tankers
- Reserve Units
- Command Support
- Code Enforcement
- Prevention and Education

SPECIAL OPERATIONS

- Arson Investigation
- Explosives Unit
- Hazardous Materials (HAZMAT)
- Technical Rescue
- Urban Search and Rescue (FEMA Maryland Task Force 1)
- FEMA Incident Support Team
- Water Rescue
- Collapse Rescue
- Weapons of Mass Destruction
- Mass Casualty
- Mass Decontamination

REGIONAL MUTUAL AID

- Robust and seamless
- Common command structure

Montgomery County Law Enforcement Response Capabilities

- 1100 Sworn Officers
- All Equipped with Personal Protective Gear for WMD Responses
- 600 Police Cars
- Command Bus
- Special Ops Vehicles



Special Operations Division

- 39 SWAT
- 140 SERT
- SAT
- Other Specialties
(Collision Reconstruction, etc.)



Health & Human Services

Public Health Services



Functions

- Birth and Death Records Office
- Communicable Disease and Epidemiology
- Licensure and Regulatory Services Community Health
- Dental Services
- Hearing Clinic
- Immunizations
- CDC Advanced Practice Center
- Disease Surveillance
- Coordination with School Health Nurses
- Coordination with Hospitals
- Cities Ready Initiative

Programs

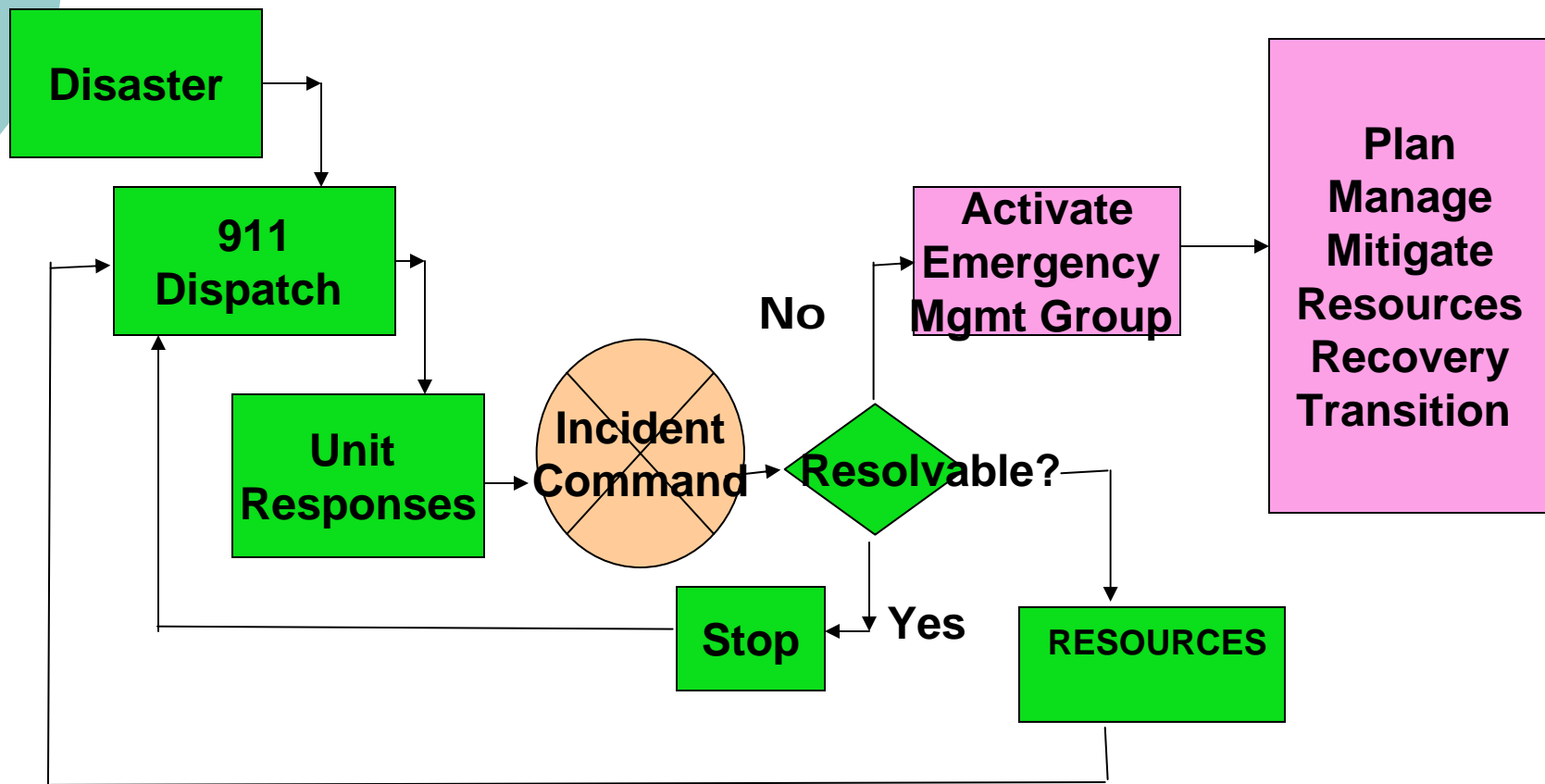
- African American Health Program
- Latino Health Initiative
- Asian American Health Initiative
- Special Populations Outreach
- Drawing the Line on Underage Drinking
- Medical Assistance Payment Forms
- TB Program
- Women's Cancer Control Program
- Women's Health Program



REGIONAL MUTUAL AID

- Historically strong mutual aid and seamless support
- Post 9/11 priority to resolve “sovereign immunity” issues between DC, MD and VA
- NCR Mutual Aid included in the Intelligence Reform and Terrorism Protection Act of 2004
 - Emergencies, state of emergencies or public service event
 - Liability subject to law of its own state from the jurisdiction rendering mutual aid.
 - Includes training, first responders and other disciplines associated with local government services
- Maryland Legislature (2005) adopted law to conform to federal law for mutual aid
- MWCOG Mutual Aid Agreement – Standard Agreement
 - All emergency services and disciplines, including training
 - Subject to regional operational plans
 - Adoption and execution by member jurisdictions

WHEN DOES IT BECOME AN EMERGENCY?



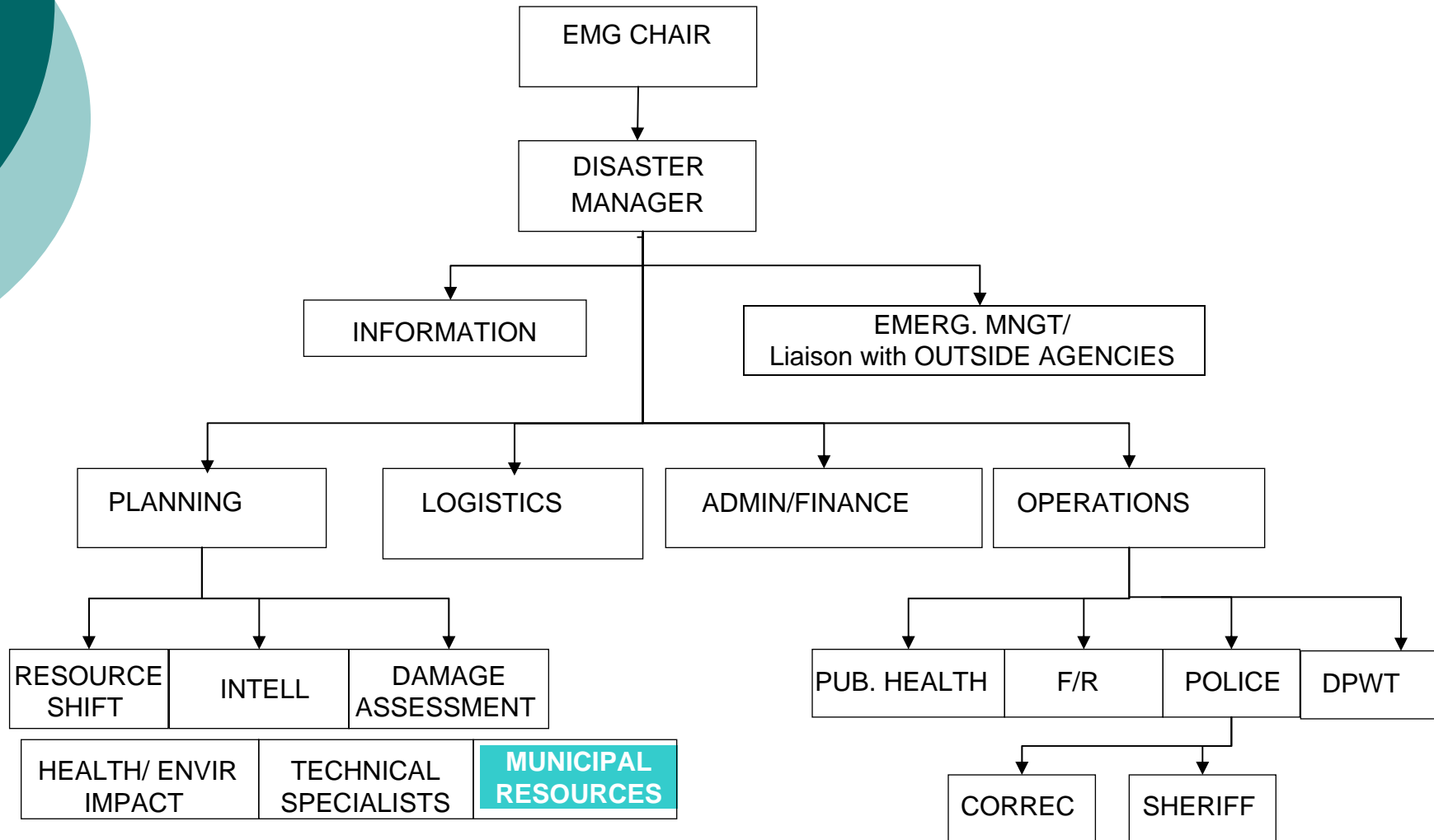
EMERGENCY MANAGEMENT GROUP

Planning, Response, Recovery



- **Maintains and Implements the Emergency Operations Plan**
- **Activates, requests and deploys available local resources as needed**
- **Operates the Emergency Operations Center (EOC) during emergencies**
- **Recommends Declaration of Emergency for County Executive**
- **Coordinates and provides liaison with State & Federal resources**
- **Anticipates, plans and coordinates mitigation and recovery activities**
- **Provides knowledge and information for decision making**
- **Provides risk communication to residents**
- **Applies for disaster relief and/or federal reimbursement**
- **Coordinates with local jurisdictions and elected officials**

EMG Command Structure



EMERGENCY MANAGEMENT GROUP



**Chief
Administrative
Officer
BRUCE ROMER
is the Governor's
Appointed
EMG Chair**

- EXECUTIVE STAFF
- POLICE
- FIRE/RESCUE
- PUBLIC WORKS
- TRANSPORTATION/TRANSIT
- PUBLIC HEALTH
- HUMAN SERVICES
- COUNTY ATTORNEY
- ENVIRONMENTAL PROTECTION
- PERMITTING
- CORRECTIONS
- SHERIFF
- VOLUNTEERS



**MCHSD Director
GORDON AOYAGI
is
Disaster Manager**

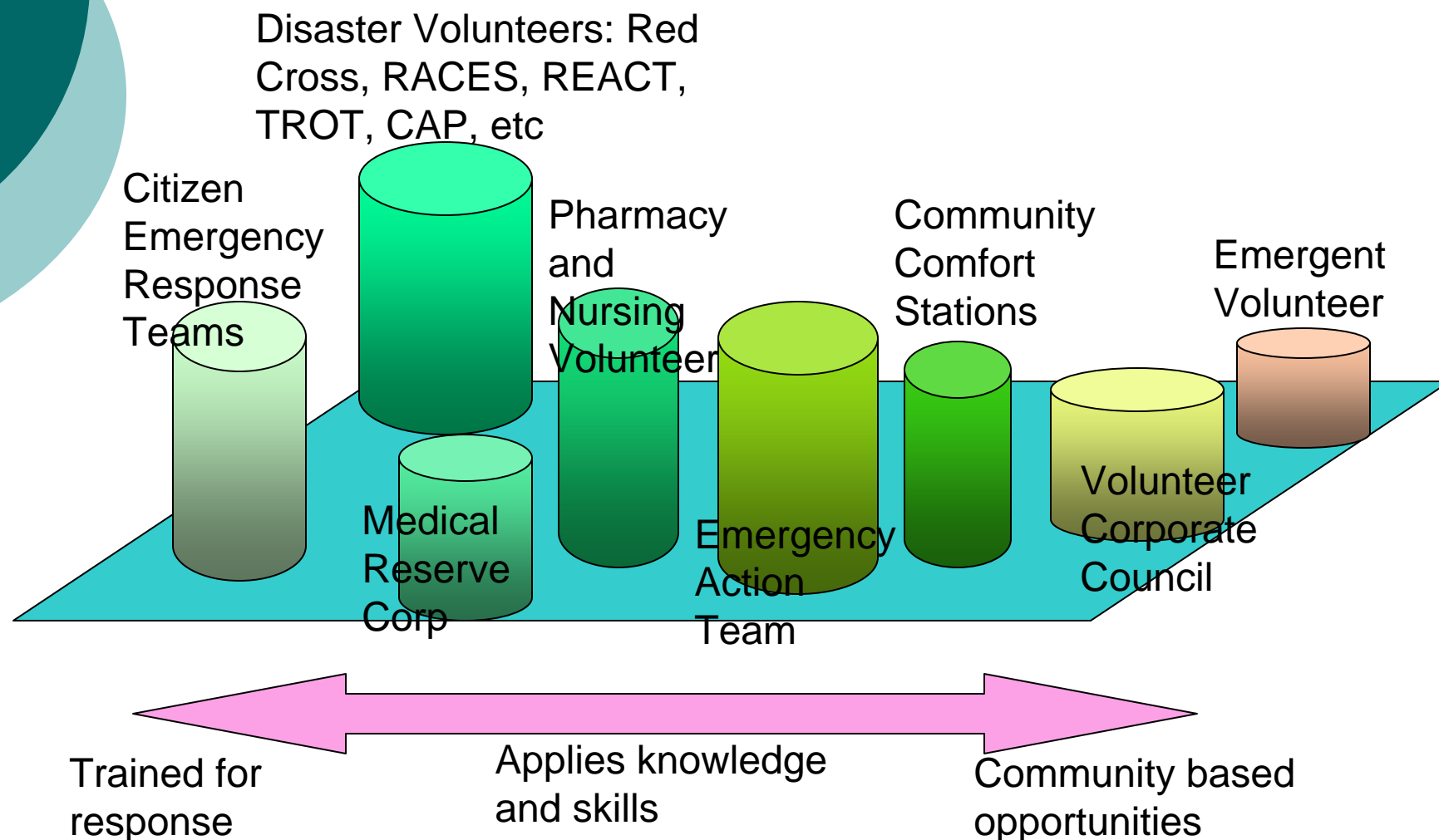
- INFORMATION
- HOMELAND SECURITY
- EMERGENCY MANAGEMENT
- FINANCE
- AMERICAN RED CROSS
- MCPS/MONTGOMERY COLLEGE
- CITIES OF ROCKVILLE, TAKOMA PARK, GAITHERSBURG
- REGIONAL SERVICE CENTERS
- UTILITIES
- TECHNICAL SUPPORT



EMERGENCY MANAGEMENT GROUP

- Executive Leadership (CAO; HSD Director; ACAO)
- Unified Command - Senior Advisors
 - Fire, Police, Public Health, DPWT, DEP
 - Interchangeable based upon nature of incident and need for transition
- Policy level interaction: MCPS, MC, WSSC, PEPCo, Regional Coordination, Municipalities
- 2-3 Exercises per year
 - School violence, hurricane, bioterrorism, radiological device, HAZMAT, terrorist bombing, etc.
- Recent Activations:
 - Pentagon Attack; Anthrax Incidents; Kensington Train Wreck; Sniper Attacks; Snow Emergencies; Power Outages; Hurricane Isabel
- Declarations of Emergencies:
 - State Coordination: DHMH; MEIMSS; MEMA; National Guard; DOT, MDE, MDNR, etc
 - Federal Coordination: FEMA, FBI, ATF, Secret Service, EPA, HHS, etc.
- Public announcements regarding the emergency
 - Alert systems; media coordination
 - Crisis communications with residents

SUSTAINABLE COMMUNITIES VOLUNTEER CONTINUUM



Alert Montgomery is



- A text based messaging system to multiple personal devices, i.e., pagers, cell phones, PDA's and email accounts.
- A modern day electronic Paul Revere!
- ALERT Montgomery is the County's program for implementation of RSAN technology.
- Will provide emergency text messaging for the entire County.
- Will link to Rockville, Gaithersburg and Takoma Park; all emergency public notifications are provided by Montgomery County.



ALERT MONTGOMERY

Text Messaging - Public Alerts

- Alert Montgomery will send alerts out in three major categories:
 - Emergencies
 - Severe Weather
 - Transportation and Traffic event
- Public Subscribers may register:
 - Cell Phone
 - Pager
 - Personal Digital Assistant
 - Email
- Gaithersburg, Rockville and Takoma Park
 - Municipal systems
 - Receives all Alert Montgomery messages



What about bioterrorist events?

EMG – Public Health

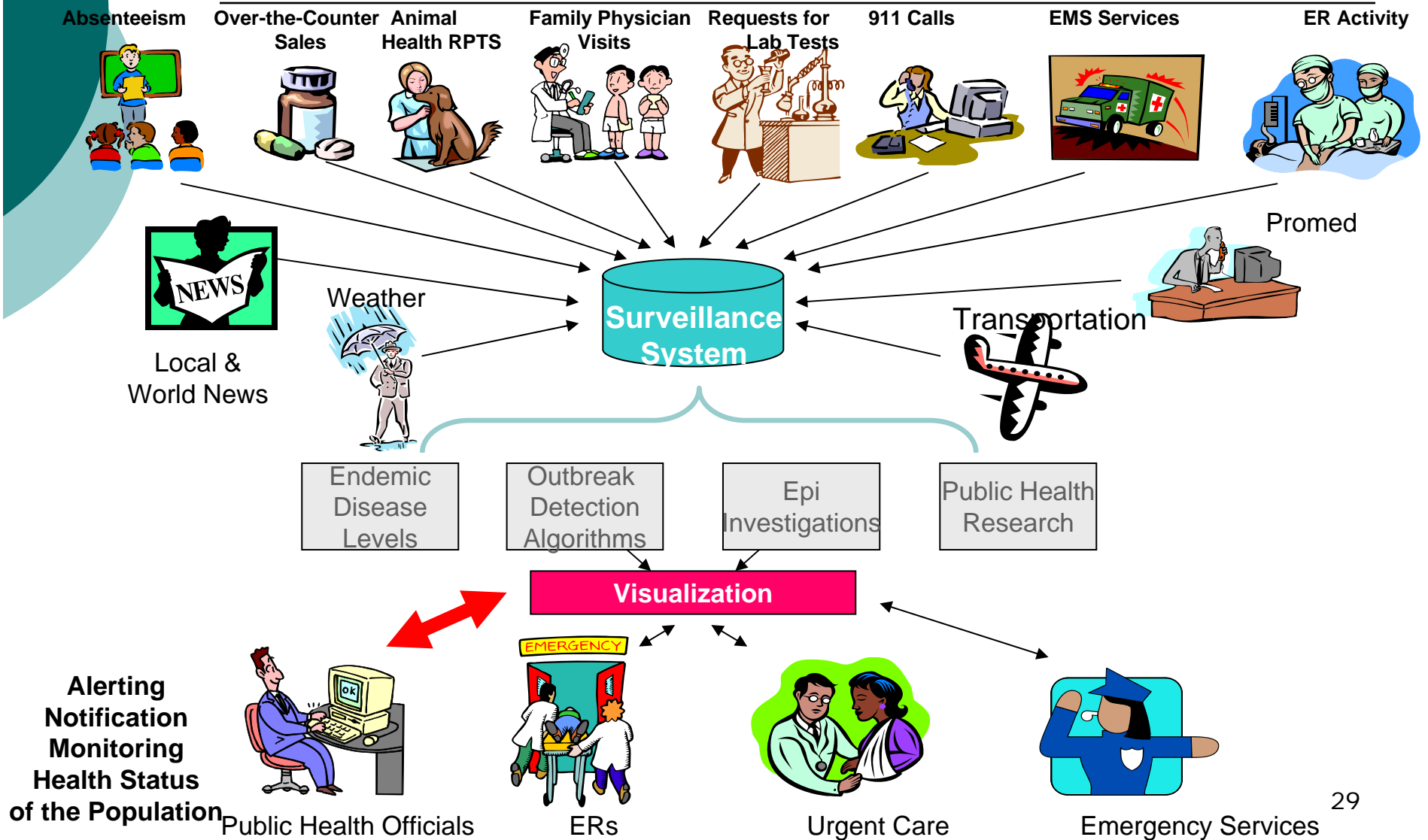
- Bioterrorism Response (fire, public health and police):
 - 911 call taking protocol; risk assessment
 - Citizen hotline – fire and public health
 - Rapid response teams – HAZMAT technicians
 - Health assessment center
 - Medication distribution
 - Full HAZMAT response; investigations and arrests
 - Physician and hospital “Hot Fax” and messaging
- Contagious Disease - Pandemic Outbreak:
 - Syndromic surveillance (John Hopkins Applied Physics)
 - Quarantine and isolation
 - Voluntary compliance and/or enforcement of quarantine
 - Vector and animal monitoring
 - First responder prophylactic medicine distribution
 - Medication distribution and inoculation centers
 - Strategic National Stockpile - receipt and distribution
 - Continuity of critical operations – resource management
- Hospital Coordination
 - Core mission requirements- security
 - Public and medical staff communications
 - Communication systems- local, regional and statewide
 - Memorandum of Understanding – supplies, personnel, command
 - Decontamination training by MCFRS
 - Diversion plan and surge capacity



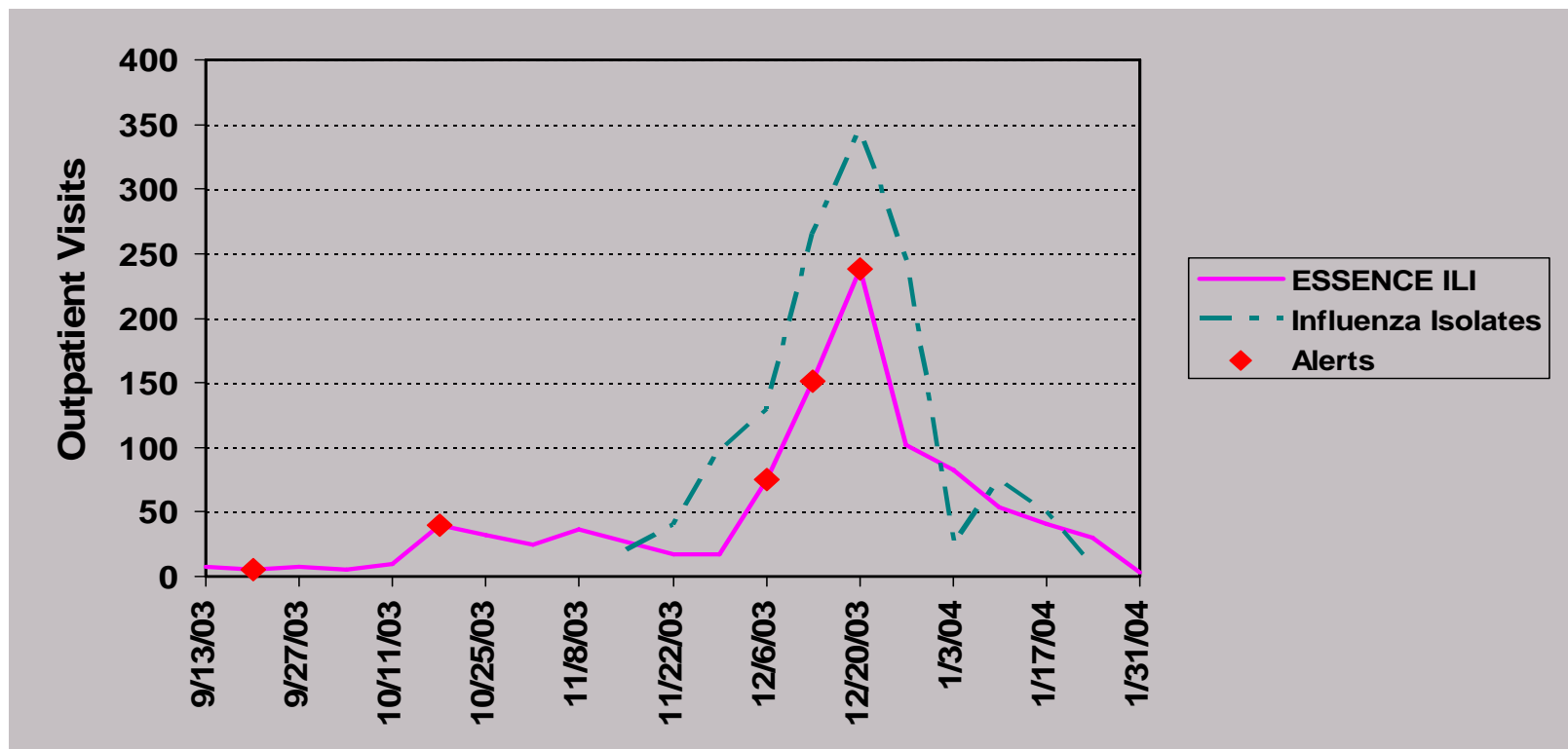
WMD or Pandemic Outbreak Response

<i>EVENT</i>	<i>Building collapse; explosion; mass casualty</i>	<i>Chemicals; infectious agent; debilitation</i>	<i>Contagion; pandemic outbreak</i>
First Responder	Triage Treat Transport	Secure Decontaminate Isolate	Isolate Quarantine Force protection
Public Health	Hospital capacity Diversion Deploy resources	Assess/Confirm Strategy Isolate and divert Dispensing sites Medicate	Assess/Confirm Isolate and divert Quarantine Home care Treatment centers
Hospital	Offload Bed availability Triage	Lock down Decontaminate Medicate	Secure Isolate Critical care

Disease Surveillance - ESSENCE



Early Detection of Influenza: Montgomery County 13 Sept 2003 – 31 Jan 2004





Avian Flu

- H5N1 Virus – evolving
- Transmission primarily from close living arrangements between birds and humans
- Viral infection from bird to human; no reported case of human to human
- No known natural human resistance to H5N1 Virus at this time
- If it evolves to viral strain for human contagion, then may have high fatality rate
- Historical Backdrop: Periodic cycling of pandemic outbreaks – every 75 to 100 years. Last one occurred in 1918.



Notification of Disease Arrival

- Potential sources of information
 - Presentation at military or local hospital; symptomatic; epidemiological determination of potential exposure; laboratory confirmation
 - Official notification by federal or state authorities of avian flu and infection through person-to-person transmission; post exposure epidemiology; quarantine of those exposed to monitor symptoms
 - International announcement of avian flu transmission from person to person; port of entry screening protocols; volunteer quarantine and monitoring of those potentially exposed
 - Rumor; confirmation through disparate channels and various media outlets based on “expert” sources or conjecture on limited facts
- One or all sources may be involved or converge simultaneously



Roles and Responsibilities

- **Maryland Governor** – Chief elected official who has authority to declare emergency for State of Maryland; seek federal declarations of emergency; obtain State to State assistance; provide State resources, including the National Guard, to assist local governments in mitigating disasters or emergencies.
- **Secretary of Maryland Department of Health and Human Hygiene (DHMH)** – as full authority for all measures to protect the public health of Maryland residents
- **Montgomery County Health Officer** – State employee, who may be delegated from DHMH, all authority necessary to protect public health of Montgomery County residents
- **Montgomery County Executive** – Chief County elected official who has authority to provide County resources to support the Health Officer in protecting the public health of County residents and who has authority to declare County state of emergency.
- **Montgomery County Chief Administrative Officer** – appointed by the Maryland State Governor to chair the **Emergency Management Group** to plan for and manage the response and recovery to major emergencies through the coordination and integration of local and mutual aid resources and state/federal assistance.
- **Montgomery County Council as the Board of Health** – has certain authority to adopt policies to regulate matters involving the public health
- **Montgomery County Council** – has authority to extend the CE's state of emergency and to appropriate funds to continue the County's mitigation of the public health emergency.



Mitigation Strategies - EMG

- Declaration of emergency: isolation, quarantine, assembly restrictions
- Continuity of critical government services
- First responder protection and capabilities
- Monitoring and projections of disease course and duration
- Quarantine planning and coordination/support for implementation –law enforcement, public health staff, courts and legal appeals
- Isolation projections, logistical planning requirements, coordination of implementation
- Resource requirements – govt. services, special populations, in-home care, medical support, mortuary services, mental health, etc.
- Mitigation, response and recovery planning and resource analysis
- Hospital protection, continuity of operations, acute care logistics
- Group living arrangements - support
- Logistical support of medicine dispensing operations (if available)
- Communications and information to residents and businesses; managing public expectations
- Volunteer mobilization and deployment
- Regional, state and federal coordination
- Fatalities management – Medical Examiner, Mortuaries, Faith Communities
- Managing response and services for employee fatalities



Mitigation Strategies – Public Health

- Disease surveillance/epidemiology
- Quarantine management
- Twice daily telephone monitoring of persons quarantined for exposure
- Isolation management
- Management and control of medical dispensing operations (if available)
- Hospital contact, infection control coordination, communication network, acute care management
- Medical profession – communications
- Technical expertise and support to EMG
- Risk communications
- Disease “Hot-line” operations
- CDC, HHS, MD DHMH and regional Health Officer – consultation and coordination
- Basic infection control – hand washing; 3 foot rule; inhalation avoidance/protection
- Coordination with MD Office of Medical Examiners – Fatality management

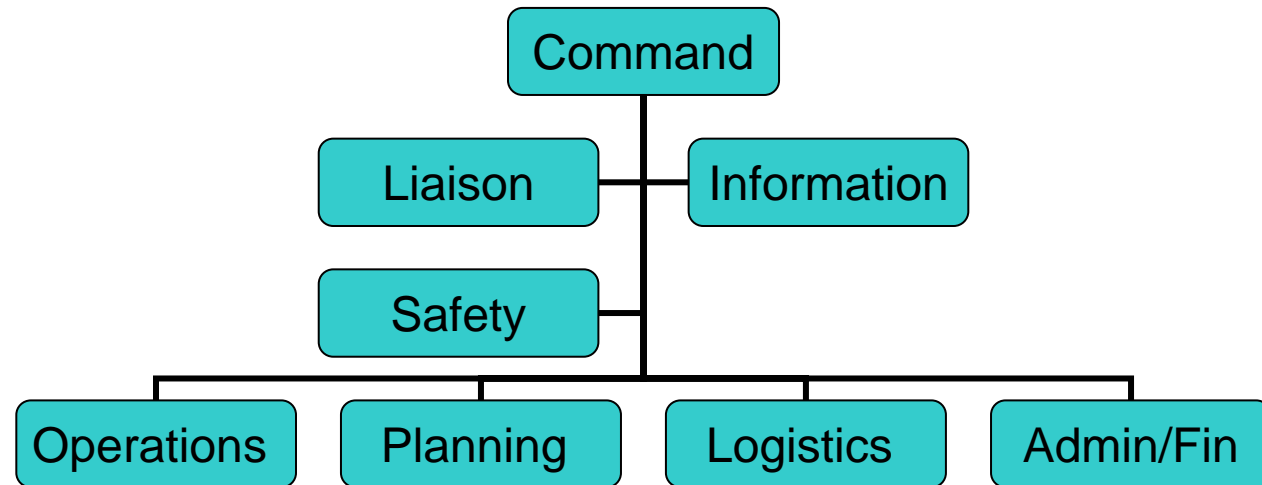


Department/Jurisdiction Considerations

- Command and control structure – NIMS
- Communication systems for information distribution – internal and external
- Continuity of critical business functions
 - Key decision maker/personnel redundancy
 - Critical documents access
 - Facility management
 - Supply chain vulnerabilities
 - Systems operations and contingency plans
 - Reconstitution at alternate sites
- Personnel management
 - Preparing for “work quarantine” for critical functions; infection control
 - Family support and care
 - Sick leave policies, leave and benefit management
 - Access to medications, if supplies are limited or rationed
 - Counseling
- Sustaining efforts over prolonged periods

National Incident Management System

Foundations of Command



QUESTIONS

You can't do things the same way and expect a different outcome –

"If there's one pitch you're swinging at and keep missing, stop swinging at it."

Yogi Berra

"I'm not going to buy my kids an encyclopedia. Let them walk to school, like I did!"

Yogi Berra

